



SEQUENCE LISTING

#4

<110> Burton, Louis E.
Schmelzer, Charles H.
Beck, Joanne T.

<120> PURIFICATION OF NGF

<130> GENENT.037C3

<140> 10/072,681

<141> 2002-02-08

<150> 60/030838

<151> 1996-11-15

<150> 60/047855

<151> 1997-05-29

<150> 08/970865

<151> 1997-11-14

<150> 09/363573

<151> 1999-07-29

<150> 09/675,503

<151> 2000-09-29

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 242

<212> PRT

<213> Homo sapien

<400> 1

Pro Met Ser Met Leu Phe Tyr Thr Leu Ile Thr Ala Phe Leu Ile Gly
1 5 10 15
Ile Gln Ala Glu Pro His Ser Glu Ser Asn Val Pro Ala Gly His Thr
20 25 30
Ile Pro Gln Val His Trp Thr Lys Leu Gln His Ser Leu Asp Thr Ala
35 40 45
Leu Arg Arg Ala Arg Ser Ala Pro Ala Ala Ala Ile Ala Ala Arg Val
50 55 60
Ala Gly Gln Thr Arg Asn Ile Thr Val Asp Pro Arg Leu Phe Lys Lys
65 70 75 80
Arg Arg Leu Arg Ser Pro Arg Val Leu Phe Ser Thr Gln Pro Pro Arg
85 90 95
Glu Ala Ala Asp Thr Gln Asp Leu Asp Phe Glu Val Gly Gly Ala Ala
100 105 110
Pro Phe Asn Arg Thr His Arg Ser Lys Arg Ser Ser Ser His Pro Ile
115 120 125
Phe His Arg Gly Glu Phe Ser Val Cys Asp Ser Val Ser Val Trp Val

130		135		140
Gly Asp Lys Thr Thr	Ala Thr Asp Ile Lys	Gly Lys Glu Val Met Val		
145	150	155	160	
Leu Gly Glu Val Asn	Ile Asn Asn Ser Val	Phe Lys Gln Tyr Phe Phe		
	165	170	175	
Glu Thr Lys Cys Arg	Asp Pro Asn Pro Val	Asp Ser Gly Cys Arg Gly		
	180	185	190	
Ile Asp Ser Lys His	Trp Asn Ser Tyr Cys	Thr Thr Thr His Thr Phe		
	195	200	205	
Val Lys Ala Leu Thr	Met Asp Gly Lys Gln	Ala Ala Trp Arg Phe Ile		
	210	215	220	
Arg Ile Asp Thr Ala	Cys Val Cys Val Leu	Ser Arg Lys Ala Val Arg		
225	230	235	240	
Arg Ala				

<210> 2
 <211> 121
 <212> PRT
 <213> Homo sapien

Al.

<400> 2
Pro Ser Ser Ser His Pro Ile Phe His Arg Gly Glu Phe Ser Val Cys
1 5 10 15
Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile
20 25 30
Lys Gly Lys Glu Val Met Val Leu Gly Glu Val Asn Ile Asn Asn Ser
35 40 45
Val Phe Arg Gln Tyr Phe Phe Glu Thr Lys Cys Arg Asp Pro Asn Pro
50 55 60
Val Asp Ser Gly Cys Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr
65 70 75 80
Cys Thr Thr Thr His Thr Phe Val Lys Ala Leu Thr Met Asp Gly Lys
85 90 95
Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val
100 105 110
Leu Ser Arg Lys Ala Val Arg Arg Ala
115 120

<210> 3
 <211> 121
 <212> PRT
 <213> mouse

<400> 3
Pro Ser Ser Thr His Pro Val Phe His Met Gly Glu Phe Ser Val Cys
1 5 10 15
Asp Ser Val Ser Val Trp Val Gly Asp Lys Thr Thr Ala Thr Asp Ile
20 25 30
Lys Gly Lys Glu Val Thr Val Leu Ala Glu Val Asn Ile Asn Asn Ser
35 40 45
Val Phe Arg Gln Tyr Phe Phe Glu Thr Lys Cys Arg Ala Ser Asn Pro
50 55 60
Val Glu Ser Gly Cys Arg Gly Ile Asp Ser Lys His Trp Asn Ser Tyr
65 70 75 80

Cys Thr Thr Thr His Thr Phe Val Lys Ala Leu Thr Thr Asp Glu Lys
85 90 95
Gln Ala Ala Trp Arg Phe Ile Arg Ile Asp Thr Ala Cys Val Cys Val
100 105 110
Leu Ser Arg Lys Ala Thr Arg Arg Gly
115 120

<210> 4
<211> 119
<212> PRT
<213> Homo sapien

<400> 4
Pro His Ser Asp Pro Ala Arg Arg Gly Glu Leu Ser Val Cys Asp Ser
1 5 10 15
Ile Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met
20 25 30
Ser Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly
35 40 45
Gln Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr
50 55 60
Thr Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln
65 70 75 80
Cys Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys
85 90 95
Lys Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Thr
100 105 110
Leu Thr Ile Lys Arg Gly Arg
115

<210> 5
<211> 120
<212> PRT
<213> Homo sapien

<400> 5
Pro Tyr Ala Glu His Lys Ser His Arg Gly Glu Tyr Ser Val Cys Asp
1 5 10 15
Ser Glu Ser Leu Trp Val Thr Asp Lys Ser Ser Ala Ile Asp Ile Arg
20 25 30
Gly His Gln Val Thr Val Leu Gly Glu Ile Lys Thr Gly Asn Ser Pro
35 40 45
Val Lys Gln Tyr Phe Tyr Glu Thr Arg Cys Lys Glu Ala Arg Pro Val
50 55 60
Lys Asn Gly Cys Arg Gly Ile Asp Asp Lys His Trp Asn Ser Gln Cys
65 70 75 80
Lys Thr Ser Gln Thr Tyr Val Arg Ala Leu Thr Ser Glu Asn Asn Lys
85 90 95
Leu Val Gly Trp Arg Trp Ile Arg Ile Asp Thr Ser Cys Val Ser Ala
100 105 110
Leu Ser Arg Lys Ile Gly Arg Thr
115 120

<210> 6

<211> 130
 <212> PRT
 <213> Homo sapien

<400> 6

Gly Val Ser Glu Thr Ala Pro Ala Ser Arg Arg Gly Glu Leu Ala Val
 1 5 10 15
 Cys Asp Ala Val Ser Gly Trp Val Thr Asp Arg Arg Thr Ala Val Asp
 20 25 30
 Leu Arg Gly Arg Glu Val Glu Val Leu Gly Glu Val Pro Ala Ala Gly
 35 40 45
 Gly Ser Pro Leu Arg Gln Tyr Phe Phe Glu Thr Arg Cys Lys Ala Asp
 50 55 60
 Asn Ala Glu Glu Gly Gly Pro Gly Ala Gly Gly Gly Cys Arg Gly
 65 70 75 80
 Val Asp Arg Arg His Trp Val Ser Glu Cys Lys Ala Lys Gln Ser Tyr
 85 90 95
 Val Arg Ala Leu Thr Ala His Ala Gln Gly Arg Val Gly Trp Arg Trp
 100 105 110
 Ile Arg Ile Asp Thr Ala Cys Val Cys Thr Leu Leu Ser Arg Thr Gly
 115 120 125
 Arg Ala
 130